IN THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims

1. (Original) A method in a communications system for processing control messages in a packet-based portion of the communications system, the method comprising:

placing a priority indicator in a control message to indicate to an application handling the control messages that the control message is to be given priority in processing; and

placing a priority indicator in a header of a packet transporting the control message within the packet-based portion of the communications system to indicate to a node receiving the packet that the packet is to be given priority in processing.

- 2. (Original) The method of claim 1, wherein the packet is an Internet Protocol packet.
- 3. (Original) The method of claim 1, wherein the node is one of a server, a router, and a device/host platform hosting foreign agent functionality.
- (Original) The method of claim 1 further comprising: sending a request to the node to reserve processing resources to process the packet.
- 5. (Original) A method in a communications system for processing control messages for a session in a packet-based network within the communications system, the method comprising:

setting an indicator for a control message handling the session within the communications system through the packet-based network; and

sending the control message to the packet-based network, wherein the packetbased network provides preferential processing of the control message in managing the session based on the indicator.

- 6. (Original) The method of claim 5, wherein the indicator is an attribute value pair located in the control message.
- 7. (Original) The method of claim 5, wherein the control message is transported through a plurality of nodes and further comprising setting a second indicator, wherein the plurality of nodes provide preferential handling of the control message based on the second indicator.
- 8. (Original) The method of claim 7, wherein the second indicator is a differential service bit in an Internet Protocol header in a packet transporting the control message.
- 9. (Original) The method of claim 5, wherein a set of nodes is configured to reserve bandwidth for processing selected messages and further comprising:

sending a message to the set of nodes to reserve the bandwidth for processing the control message.

- 10. (Original) The method of claim 5, wherein the set of nodes include at least one of a router, a server, and a device/host platform hosting foreign agent functionality.
- 11. (Original) The method of claim 5, wherein the control message is a message from a set of messages to establish the session, terminate the session, and manage the session.

- 12. (Canceled)
- 13. (Canceled)
- 14. (Original) A node comprising:a bus:

a communications adapter connected to the bus, wherein the communications adapter sends and receives messages to and from a packet-based network;

a memory connected to the bus, wherein the memory includes instructions for an application; and

a processing unit connected to the bus, wherein the processing unit executes a set of instructions to generate a control message for a session within an application at a remote node, place a priority indicator in the control message to indicate to an application handling the control messages that the control message is to be given priority in processing, and place a priority indicator in a header of a packet transporting the control message within the packet-based portion of the communications system to indicate to a node receiving the packet that the packet is to be given priority in processing.

15. (Original) A communications system for processing control messages in a packet-based portion of the communications system, the communications system comprising:

first placing means for placing a priority indicator in a control message to indicate to an application handling the control messages that the control message is to be given priority in processing; and

second placing means for placing a priority indicator in a header of a packet transporting the control message within the packet-based portion of the communications system to indicate to a node receiving the packet that the packet is to be given priority in processing.

- 16. (Original) The communications system of claim 15, wherein the packet is an Internet Protocol packet.
- 17. (Original) The communications system of claim 15, wherein the node is one of a server, a router, and a device/host platform hosting foreign agent functionality.
- 18. (Original) The communications system of claim 15 further comprising: sending means for sending a request to the node to reserve processing resources to process the packet.
- 19. (Original) A communications system for processing control messages for a session in a packet-based network within the communications system, the communications system comprising:

setting means for setting an indicator for a control message handling the session within the communications system through the packet-based network; and sending means for sending the control message to the packet-based network, wherein the packet-based network provides preferential processing of the control message in managing the session based on the indicator.

- 20. (Original) The communications system of claim 19, wherein the indicator is an attribute value pair located in the control message
- 21. (Original) The method of claim 19, wherein the control message is transported through a plurality of nodes and further comprising a second setting means for setting a second indicator, wherein the plurality of nodes provide preferential handling of the control message based on the second indicator.
- 22. (Original) The method of claim 21, wherein the second indicator is a differential service bit in an Internet Protocol header in a packet transporting the control message.

23. (Original) The communications system of claim 19, wherein a set of nodes is configured to reserve bandwidth for processing selected messages and further comprising:

sending means for sending a message to the set of nodes to reserve the bandwidth for processing the control message.

- 24. (Original) The communications system of claim 19, wherein the set of nodes include at least one of a router, a server, and a device/host platform hosting foreign agent functionality.
- 25. (Original) The communications system of claim 19, wherein the control message is a message from a set of messages to establish the session, terminate the session, and manage the session.
- 26. (Original) A computer program product in a computer readable medium for processing control messages in a packet-based portion of the communications system, the computer program product comprising:

first instructions for placing a priority indicator in a control message to indicate to an application handling the control messages that the control message is to be given priority in processing; and

second instructions for placing a priority indicator in a header of a packet transporting the control message within the packet-based portion of the communications system to indicate to a node receiving the packet that the packet is to be given priority in processing.

27. (Original) A computer program product in a computer readable medium for processing control messages for a session in a packet-based network within a communications system, the computer program product comprising:

first instructions for setting an indicator in a control message handling a session within the communications system through the packet-based network; and

second instructions for sending the control message to the packet-based network, wherein the packet-based network provides preferential processing of the control message in managing the session based on the indicator.

28. (Original) The computer program product of claim 27, wherein a set of nodes is configured to reserve bandwidth for processing selected messages and further comprising:

third instructions for sending a message to the set of nodes to reserve the bandwidth for processing the control message.